(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property **Organization**

International Bureau



! [60] 6 | [1] | [1] | [1] | [1] | [1] | [1] | [1] | [1] | [1] | [1] | [1] | [1] | [1] | [1] | [1] | [1] | [1]

(43) International Publication Date 27 May 2004 (27.05.2004)

(10) International Publication Number WO 2004/044034 A1

(51) International Patent Classification7: 65/04, 65/26

C08G 65/00,

(21) International Application Number:

PCT/US2003/034398

- (22) International Filing Date: 30 October 2003 (30.10.2003)
- (25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data: 60/424,549

7 November 2002 (07.11.2002)

- (71) Applicant (for all designated States except US): DOW GLOBAL TECHNOLOGIES, INC. [US/US]; Washington Street, 1790 Building, Midland, MI 48674 (US).
- (72) Inventor; and
- (75) Inventor/Applicant (for US only): WEHMEYER, Richard, M. [US/US]; 205 Zinnia, Lake Jackson, TX 77566 (US).
- (74) Agent: COHN, Gary, C.; Gary C. Cohn PLLC, 4010 Lake Washington Boulevard NE, Suite 105, Kirkland, WA 98033 (US).

- (81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW.
- (84) Designated States (regional): ARIPO patent (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: METHOD FOR PREPARING METAL CYANIDE CATALYSTS USING POLYMERIZABLE COMPLEXING **AGENTS**

(57) Abstract: Complexes of a metal cyanide polymerization catalyst and certain monomer complexing agents provide a method whereby heterogeneous, active metal cyanide catalysts can be prepared. The catalysts are useful alkylene oxide polymerization catalysts that are easily separated from the polymerization product and recycled.